The Nikkormat -the aristocrat of cameras with the easy, assured performance

Whether you're recording that fleeting dramatic moment which will make history or capturing the evanescent laughter of your child at play, you need a camera so very responsive, versatile and easy to handle that you're assured the most professional pictures possible.
The Nikkormat FTN short-cuts bothersome preliminaries to allow you to use those few precious seconds for creative composition.

The FTN's superb mechanisms are as compact and precise as can be perfected, yet they are neither unwieldy nor complicated. The Nikkormat FTN provides you with controls that are so very easy to handle. Single operations are multiple for quick and responsive manipulation.
There are the central, visible controls of the photographic data inside the finder system. Everything is there to let you know that the camera is ready for action. The shutter speed actually set stands out as bright and clear as day and the + and − markings for over- and under-exposure enable you to conduct easier shutter speed, or aperture adjustment. To make things still easier for you, the FTN enables you to take full advantage of the automatic diaphragm action of the Nikkor Auto lenses also when taking exposure reading. The FTN's thru-the-lens meter system is completely new and is neither a conventional spot nor integrating exposure metering method. It guarantees correct and beautiful exposures of your subject even under high contrast backlight or sidelight conditions.

All these features have been engineered so that you don't have to take your eyes away from the finder, from composing to the final shutter tripping, to make the FTN a really easy-to-handle 35mm single-lens reflex camera.
If the lens is the heart of the camera and the key to fine picture quality, then your Nikkormat FTN has the most responsive and adaptable heart of them all. Why? Because it is designed to accept more than 30 world-renowned Nikkor interchangeable lenses. For those who appreciate complete versatility and unparalleled lens performance, Nikon gives you the widest range possible for any photographic assignment from the unusual 6mm Fisheye to the outstanding 1200mm supertelephoto, from zooming to perspective controlling. With these lenses and a remarkable array of accessories, you'll discover what makes the Nikkormat FTN so very special.
Whether you're a demanding professional or discriminating amateur photographer, choose the camera that gives you easy, assured performance, the Nikkormat FTN.

Inside the Nikkormat

–the center-weighted through-the-lens exposure measurement system

The ordinary photographer may take the internal operation of the FTN for granted and accept it with confidence because it comes from Nikon. But don't mind us if we talk about it, because this center-weighted thru-the-lens exposure system is something to brag about, and you should know what makes this system so clever and extraordinary.

In conventional spot reading meters, light is measured only in a particular spot of the viewing field completely excluding the rest of the picture area. But this won't happen with the new FTN. That's because the FTN meter is designed to read the entire focusing screen, but favors a 12mm-diameter central area. Here, in the clearly outlined central area, representing 1/8th of the total viewfield, more than half of the light energy is concentrated. Now, you need never worry about contrasty subjects even under a backlight or sidelight situation, as well as under normal lighting conditions. Exposure will always be well balanced and correct.

The FTN meter is cross-coupled to both the shutter speed and lens diaphragm. Except with special Nikkor lenses, your lens diaphragm remains fully open for focusing and viewing even while the camera is being set for correct exposure. You don't need to stop down or open up the lens to take an exposure reading.

Automatic Setting of Maximum Lens Aperture

One film speed setting suffices for all coupled lenses irrespective of the maximum aperture. Mount a lens and just twist the aperture ring to the left and then right as far as it goes. Thus, the maximum aperture value is automatically and simply set into the meter system. The red dot on the maximum aperture scale may be used to remind you of or confirm the maximum aperture adjustment.

The 12mm circle bull's-eyes on your target

The meter measures the light, making much of the center circular portion of the finder screen. So bring your main subject into this bull's-eye. Or, simply place your target into the 12mm circular area to take the exposure reading at first. Then, compose and shoot. You no longer will be fooled by deceptive lighting.

You clearly see shutter speed in viewfinder

Look downward in the viewfinder just below the frame area and you'll always see a combination of three shutter speeds: the speed in use is clearly illuminated in the center, sandwiched in by a faster and a slower speed in yellow to clearly stand-out the speed in use. As the proper shutter speed is changed, the two neighboring yellow speeds will also change accordingly.

Bracket arms with + and — markings guide you against over- and under-exposure

Turn the shutter speed lever or the aperture ring till the meter needle comes to the bracket center for correct exposure. To facilitate reading convenience, you can also see the correct exposure through the duplicate meter window on top of the camera. The Nikkormat FTN is calibrated to use films ranging in speed from ASA 12 to 1600. The meter has a sensitivity range from EV3-17 (equivalent to 1/4th second at f/1.4 to 1/1000th second at f/11 on an ASA 100 film with 50mm f/1.4 lens) and uses a 1.3-volt mercury battery.

So many easy-to-handle features, more time to be creative

The Nikkormat FTN is a camera of many-sided capabilities, and the all-new exposure measurement function is only one of them. Perhaps, what is so remarkable about the new FTN is that, in addition to its mechanical precision, it is a camera so very easy to handle.
All operating controls have been arranged for your convenience. For instance, adjustment of the shutter and aperture is carried out at your eye level. Want the in-focus depth at shooting aperture before you press the release? There is the depth-of-field previewer near the shutter release button.

Quadruple-Action Lever: Only a slight movement of the lever from its resting position activates the exposure meter. This simplifies operation and eliminates the troublesome switching-in process found in conventional cameras. Further winding in a single stroke simultaneously advances the film, cocks the shutter and operates the frame counter.

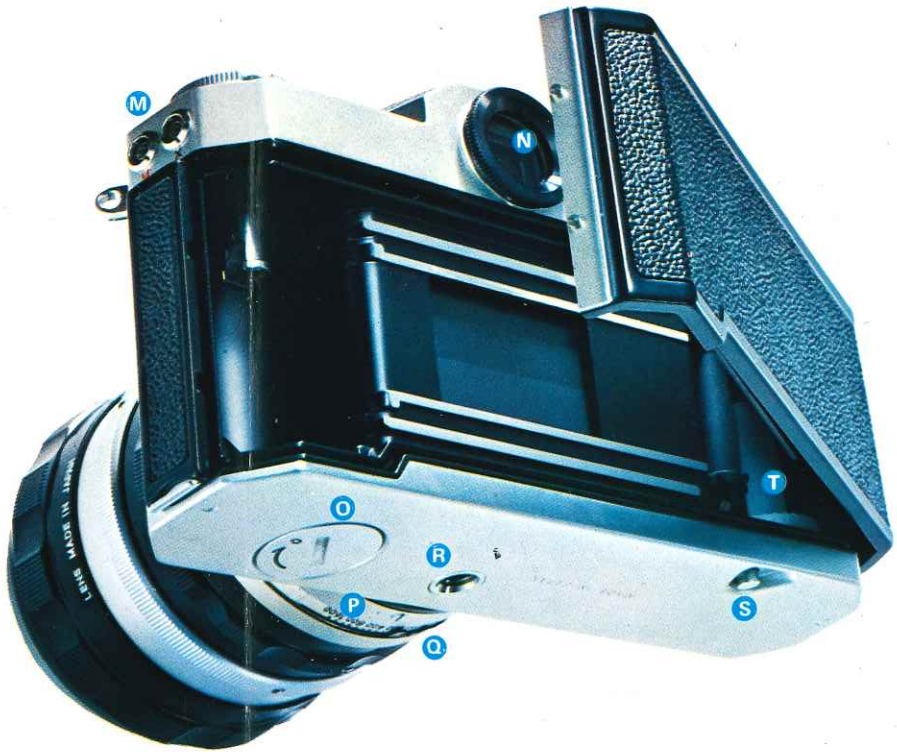
Fully Automatic Diaphragm: When fitted to the camera body, the aperture of the Nikkor Auto lens is set at full aperture as the action is internally coupled. For meter reading, as well as viewing and focusing, the diaphragm always remains wide open, even when you rotate the aperture ring to the exact exposure setting. This gives you an unrestricted view with full brightness at all times. When the meter needle centers, you shoot; only then does the diaphragm stop down and instantly reopen.

Instant Return Mirror: As soon as the exposure is made, the mirror returns instantly and automatically to the viewing position. Thus, a bright image remains on the finder screen uninterrupted except only for a fraction of a second.

Independent Mirror Control: The mirror may be lifted up and locked in this position simply by pushing down the mirror control switch. The advantage of locking the mirror is best seen when employing the FTN in work where it is necessary to reduce residual vibration to an absolute minimum in consecutive photomicrography and microcopying.

Depth-of-Field Preview Control: Just by pressing the preview button, you can view the depth of field of your image at the preselected shooting aperture and thus get effective in-focus depth.

A Depth-of-Field Preview Control
B Quadruple-Action Lever
C Auto-Reset Frame Counter
D Shutter Release Button
E Shutter Speed Ring
F Self-Timer
G Duplicate Meter Indicator
H Film Rewind Crank
I Meter Coupling Pin
J Independent Mirror Control
K Max. Aperture Reminder
L Lens-Lock Release Button
M Flash Synchronization Terminals
N Finder Eyepiece
O Battery Chamber
P ASA Film Speed Scale
Q ASA Film Speed Index
R Tripod Socket
S Rewind Button
T Take-Up Spool



Solid Metal Focal Plane Shutter: The sturdy focal plane shutter incorporates metal blinds for greater dependability. The shutter acts smoothly and with remarkable efficiency at all speeds.

Full Flash Synchronization: Both "M" and "X" flash contacts are provided. "M" may be used at shutter speeds of up to 1/1000th second and "X" for electronic flash at speeds of up to 1/125th second, the latter especially helpful in synchro-sunlight photography.

Large Viewfinder Eyepiece: Allows easy and comfortable viewing of your subject and the shutter speed in use. Accepts various viewing aids, such as Right-Angle Viewing Attachment and Eyepiece Correction Attachment.

Rapid Rewind Crank: When this originally developed crank is unfolded, it allows you to rewind the exposed film at high speed. It folds away flush into the rewind knob.

Shutter Speed Ring: You have a choice of 12 settings from B, 1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500 to 1/1000th second. You can make your selection either before or after the shutter winding. The shutter speed lever clicks only at each figure. However, you can set it halfway for intermediate speeds when necessary in the 1/250- to 1/1000-second speed range.

Auto-Reset Frame Counter: When a new film is loaded, the counter automatically resets to pre-"0" and registers up to 36 exposures. Enlarged frame numbers make it easier for you to read in dim light.

Nikkormat FS

If you're the fastidious type and prefer to conduct your own exposure judgment, Nikon also offers the Nikkormat FS, which is identical with the FTN except that it does not have the independent mirror lock-up control and the built-in metering system. But, of course, it accepts the same interchangeable Nikkor lenses and Nikon F accessories.

Take your pick from more than 30 Nikkor interchangeable lenses and make your Nikkormat FTN the heart of a fine photographic syste

You have a choice of lenses ranging from 6mm to 1200mm in focal length covering normal, wideangle, telephoto, zoom and special lenses. No other lenses can match the Nikkor lenses for definition, speed and color fidelity. All are made under the Nikon standard of traditional craftsmanship, and any of your selection gives you consistent quality performance. The Nikkormat FTN is built to take the complete line of Nikkor lenses, a range equaled only by that of the Nikon F. Whatever photographic assignment you undertake, you may be assured there is a superb Nikkor lens designed especially for your purpose. You won't go wrong because the Nikkor lenses are acknowledged the best available today by professionals.

Nikkormat
NIKKOR-S Auto 1:1.4 f=50mm
NIKKOR-H Auto 1:1.8 f=85mm
NIKKOR-P Auto 1:2.5 f=105mm
Auto 1:3.5 f=55mm
Zoom-NIKKOR Auto 1:3.5 f=43mm-f=86mm
Nikon
LENS MADE IN JAPAN

WIDEANGLE LENSES

Wideangle lenses record a wider picture angle and because of their shorter-than-normal focal length, have a greater depth of field. They are advantageous and often necessary in photographing architectural exteriors, or when working in confined areas where it is impossible to move back from the subject. The greater depth of field and wider angle offered by these lenses make it possible for the photographer to take rapid candid photographs without worrying about focusing or even viewing. They are also recommended for use when dramatic picture composition is desired.

NORMAL LENSES

Pictures taken with these lenses cover the normal viewing area of the human eye. Probably the most frequently used of all lenses, they are considered standard or normal lenses for general-purpose photography. The high speed of these lenses is of great advantage especially when working in existing or poor lighting conditions.

TELEPHOTO LENSES

As regards picture angle and depth of field, telephoto lenses are the opposite of wideangle lenses. They provide a larger image than normal lenses, giving a close-up image of a distant subject. Due to their shallow depth of field, telephoto lenses can be used to throw unwanted background details out of focus, thus highlighting the main subject, and are excellent for portraits, sports events and stage performances. Light and well balanced, even the 200mm and 300mm may be hand-held and are coupled automatically with the exposure meter. Supertelephoto lenses are generally used at greater camera-to-subject distances, with resultant foreshortening or reduced perspective.

REFLEX-NIKKOR LENSES

These remarkable catadioptric lenses are much lighter and more compact than the ordinary telephotos by virtue of their mirror lens system. In addition to their scientific applications, you'll find these lenses especially effective in isolating structural details, and in sports and nature study.

ZOOM LENSES

Zoom lenses offer continuously varying focal lengths without the need to interchange lenses. A single lens does the work of many. With one lens and from one shooting position, you can command a great choice of picture angles and magnifications. Once focused, they remain in sharp focus throughout the zooming range, and there is no need to refocus. With the exception of the 50-300mm zoom lens, one ring permits simultaneous control of the lens—you twist to focus and push-and-pull to zoom, and since all Nikkor zoom lenses are so lightweight, they allow hand-held shooting.

SPECIAL LENSES

7.5mm f/5.6 Fisheye-Nikkor:
A singular optical achievement, this lens "sees" a full 180° hemisphere—everything in front, above, below and at either side. In addition to its scientific applications in meteorological studies, the Fisheye-Nikkor can be used for peering into constricted objects in industrial photography and for commercial photography, as in advertising.

35mm f/2.8 PC-Nikkor:
The PC-Nikkor brings view-camera versatility to 35mm photography by giving it a true shifting front in any direction either up or down or laterally. In addition to architectural photography, the PC-Nikkor will provide you with the perspective control you need to shoot a grove of pines or the interior of a cavernous cathedral.

55mm f/3.5 Micro-Nikkor Auto:
Mainly intended for extreme close-ups, it gives continuous uninterrupted focusing from infinity to 1:2 reproduction ratio. This unusual focusing range is also suited for general photography. The M-Ring, supplied with this lens, will give you a 1:1 reproduction ratio.

200mm f/5.6 Medical Nikkor Auto:
Reduces many of the problems encountered in close-up photography to routine simplicity. With built-in electronic ring flash and viewing/focusing light, this lens offers a magnification range from 1/15 to 3 times with a combination of auxiliary lenses. Magnification ratios are imprinted on the negative for easy reference.

WIDEANGLE LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
20mm f/3.5	automatic*	f/22	94°	12" (0.3m)	72mm	screw-in	L
24mm f/2.8	automatic*	f/16	84°	12" (0.3m)	52mm	screw-in	L
28mm f/3.5	automatic*	f/16	74°	24" (0.6m)	52mm	screw-in	L
35mm f/2	automatic*	f/16	62°	12" (0.3m)	52mm	screw-in	L
35mm f/2.8	automatic*	f/16	62°	12" (0.3m)	52mm	screw-in	L

NORMAL LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
50mm f/1.4	automatic*	f/16	46°	24" (0.6m)	52mm	screw-in snap-on	L
50mm f/2	automatic*	f/16	46°	24" (0.6m)	52mm	screw-in snap-on	L
55mm f/1.2	automatic*	f/16	43°	24" (0.6m)	52mm	snap-on	L

TELEPHOTO LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
85mm f/1.8	automatic*	f/22	28°30'	3.5' (1m)	52mm	screw-in	L
105mm f/2.5	automatic*	f/22	23°20'	4' (1.2m)	52mm	○ screw-in snap-on	L
135mm f/2.8	automatic*	f/22	18°	5' (1.5m)	52mm	○ built-in	L
135mm f/3.5	automatic*	f/32	18°	5' (1.5m)	52mm	○ screw-in snap-on	L
200mm f/4	automatic*	f/32	12°20'	10' (3m)	52mm	○ built-in	L
300mm f/4.5	automatic*	f/22	8°10'	13' (4m)	72mm	○ built-in	L
400mm f/4.5	automatic‡	f/22	6°	16' (5m)	122mm	○ built-in	W
600mm f/5.6	automatic‡	f/22	4°	35' (11m)	122mm	○ built-in	W
800mm f/8	automatic* manual‡	f/22 f/64	3°	60' (18m)	122mm	○ built-in	W
1200mm f/11	manual‡	f/64	2°	130' (40m)	122mm	○ built-in	W
500mm f/5 Reflex	–	f/10	5°	50' (15m)	39mm	○ screw-in	Ⓛ
500mm f/8 Reflex	–	f/16	5°	13' (4m)	39mm	○ screw-in	Ⓛ
1000mm f/11 Reflex	–	f/11	2°30'	25' (8m)	built-in	○ slip-on	Ⓛ

ZOOM LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
43mm-86mm f/3.5 Zoom	automatic*	f/22	53° to 28°30'	4' (1.2m)	52mm	screw-in	L
50mm-300mm f/4.5 Zoom	automatic*	f/22	46° to 8°10'	8.5 (2.5m)	95mm		L
85mm-250mm f/4 Zoom	automatic*	f/16	28°30' to 10°	13' (4m)	series 9	○ screw-in	L
200mm f/9.5-600mm f/10.5 Zoom	automatic	f/32	12°20' to 4°10'	13' (4m)	series 9	○ screw-in	W

SPECIAL LENSES

Lens	Diaphragm	Min. Aper.	Pic. Angle	Cl. Focus	Filter	Hood	Case
6mm f/5.6 Fisheye	manual+	f/22	220°	fixed focus	built-in	–	L
7.5mm f/5.6 Fisheye	manual+	f/22	180°	fixed focus	built-in	–	L
10mm f/5.6 OP Fisheye	manual+	f/22	180°	fixed focus	built-in	–	L
35mm f/2.8 PC	pre-set	f/32	62°	12" (0.3m)	52mm	–	L
55mm f/3.5 Micro	automatic*	f/32	43°	0.79' (0.241m)	52mm	–	L
200mm f/5.6 Medical	automatic	f/45	12°20'	3:1	–	–	Ⓛ
45mm f/2.8 GN-Auto	automatic*	f/32	50°	3' (0.8m)	52mm	screw-in	L

Notes on lens chart
- * . . Couples to meter
- + . . Supplementary viewfinder necessary
- ‡ . . Focusing Unit necessary
- ○ . . Lens hood supplied with corresponding lens
- L . . Leather case supplied on order
- Ⓛ . . Leather case supplied as standard equipment to lens
- W . . Wooden case supplied on order

Abbreviations used in lens chart
- Min. Aper . . . . Minimum Aperture
- Pic. Angle . . . . Picture Angle
- Cl. Focus . . . . Closest Focus (dual calibration)

Explore the close-up world with your Nikkormat FTN

The wonderful world of close-ups is yours to delight your home audience with up-front views of color slides or to add greater intimacy to your photo album. Take your choice of the many close-up accessories that are available for the Nikkormat FTN—from attachment lenses to extension rings, from copying equipment to bellows unit. Here you have the scope to tackle photocopying, enjoy tabletoppery or reveal the secrets and wonders of nature around you. These close-up accessories, which further enhance the versatility of the Nikkormat FTN, will provide the selective photographer with all the tools he needs to close-up on his subjects.

Close-Up Attachment Lenses: For simple attachment to the Nikkor lenses with 52mm thread mount. Choice of Nos. 0, 1 and 2 is available depending on the reproduction ratio required. When the No. 1 lens is used on a 50mm f/2, you can have a reproduction ratio from 1:13 to 1:5.6.

Extension Ring E2: May be used with lenses from the 28mm up and placed between the camera lens and body. Permits close-ups of subjects where shooting would be too close with the Close-Up Attachment Lenses. With plunger for convenient focusing at full aperture when you use Nikkor Auto lenses.

Extension Ring Set K: Giving you a wider reproduction ratio and more versatile close-ups than the E2, this set of five rings can be used individually or in combination. When used with the 50mm f/2, from 1:8.9 to life-size close-ups are possible. For use with almost all lenses from the 28mm to 300mm.

Bellows Focusing Attachment: Models PB-4 and 3 are available to accept almost the whole range of Nikkor lenses to give greater reproduction ratio than can be obtained with extension rings. Both fit between the camera and lens to give continuous focusing for close-ups larger than life size. With the 50mm f/2, the Model PB-4 offers the magnification ratio from 1:1.2 to 4.4:1 (lens reversed)

135mm f/4 Bellows-Nikkor: By means of the BR-1 Adapter Tube, this special lens, which is not a focusing mechanism, is designed for exclusive use with the bellows and when applied with the Model PB-4 covers a range of focus from infinity to 1:1 magnification.

BR-2 Macro Adapter Ring: Enables Nikkor lenses with 52mm front thread to be mounted backward on the bellows for macrophotography.

Slide Copying Adapter: Used together with Bellows Model 2, it allows duplication of 35mm transparencies. Sections of transparencies can be blown up to a full 35mm format.

Repro-Copy Outfit Model PF: Here's a versatile copying stand with nonwarping particle board base to use if you're photographing flat subjects, such as paintings, drawings, documents, etc. It will also perform effective close-ups of small objects.

Accessories that further extend the versatility of the Nikomat FTN

Accessory Shoe: Fits between viewfinder housing and eyepiece frame to mount BC-7 Flash Unit or extra finder.

Eyepiece Correction Attachment: Enables the photographer with defective vision to focus with glasses removed. Combined corrections from −5 to +3 diopters are available.

Right-Angle Viewing Attachment: Eyepiece frame is removed and the finder attached. Useful for waist-level or overhead shooting, photomicrography, close-ups, etc.

Rubber Eye Cup: May be used with or without the Eyepiece Correction Attachment.

BC-7 Flash Unit: Lightweight and compact, this unit fits into the accessory shoe. Has a collapsible type reflector and click-stop swivel for direct or bounced light with provision for automatic changeover socket for bayonet, miniature base or AG-1 bulb.

Nikkor Filters: Made of solid glass and hard-coated and polished on both sides. These filters are made to complement the fineness of the Nikkor optics. Complete parallel flatness is assured.

Eveready Camera Cases: Three hard leather cases are available in brown and two semi-soft in black. Sizes differ and their choice depends on the camera body and lens combination. The Model CTM is the standard hard leather case accepting a camera body with 50mm lens.

Fitted Compartment Cases: Three models made of top-quality cowhide to house camera and lens outfits.

Also available are the Pistol Grip Model 2, Nikon Cable Release, Panorama Head for accurate panoramic pictures covering up to 360°, Lens Hoods, Rear Lens Caps, Body Cap and Lens Cases in leather, plastic or wood. Nikon, also being an expert microscope manufacturer, offers a complete line of professional equipment for photomicrography.

FILTERS

Type		Screw-in				Series
Color \ Size (mm)		52	72	95	122	9
Skylight (L1A)		●	●			
Ultra-violet (L39)		●	●	●	●	●
Yellow	Light (Y44)	●				●
	Medium(Y48)	●	●	●	●	●
	Deep (Y52)	●				●
Orange (O56)		●	●	●	●	●
Red (R60)		●	●	●	●	●
Green	Light (X0)	●				
	Deep (X1)	●				
Polarizing (Polar)		●				
Neutral Density	ND4X	●				
	ND8X	●				
Amber*	Light (A2)	●				
	Deep (A12)	●				
Blue*	Light (B2)	●				
	Medium(B8)	●				
	Deep (B12)	●				

Filters for Fisheye-Nikkors and 1000mm f/11 Nikkor are built-in.
Filters for 500mm Reflex-Nikkors are supplied with lenses.

* Color temperature compensating filters for color films.

Nikkormat

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